

PATENT



ATTORNEY DOCKET NO. CABE.001.01US

UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: **Johannes J. Geuze, et al.**

Serial No.: 09/011,167

Filed: **October 5, 1998**

For: **CELL DERIVED ANTIGEN
PRESENTING VESICLES**

Examiner: DeCloux, Amy

Art Unit: 1644

CLEAN COPY OF CLAIMS

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Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

The following is the text of the claims following entry of the amendments requested on the attached marked up version of the claims.

IN THE CLAIMS:

13. An antigen presenting vesicle free from its natural surroundings, said vesicle comprising:
a membrane, a major histocompatibility complex (MHC) Class I protein and one or more at least partially processed antigens bound to said MHC class I protein and wherein said antigen presenting vesicle is obtainable from a B lymphocyte.

14. The antigen presenting vesicle according to Claim 13, wherein said vesicle is obtained by the step of recovering a 70,000 x g pellet obtained by differential centrifugation of membrane-

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containing fractions of cell culture media or lysates of B lymphocytes containing said MHC Class I protein.

15. An antigen presenting vesicle free from its natural surroundings, said vesicle comprising: a membrane, a major histocompatibility complex (MHC) Class I protein and one or more at least partially processed antigens bound to said MHC Class I protein, and wherein said antigen presenting vesicle is derived from culture media of B-lymphocytes containing said MHC Class I protein.

16. An antigen presenting vesicle free from its natural surroundings, said vesicle comprising: a membrane, a major histocompatibility complex (MHC) Class I protein and one or more at least partially processed antigens bound to said MHC Class I protein, wherein said antigen presenting vesicle is obtained by the step of recovering a 70,000 x g pellet obtained by differential centrifugation of membrane-containing fractions of cell culture media or lysates of B-lymphocytes containing said MHC Class I protein.

17. An antigen presenting vesicle free from its natural surroundings, said vesicle comprising: a membrane, a major histocompatibility complex (MHC) Class I and Class II proteins and one or more at least partially processed antigens bound to said MHC proteins, wherein said antigen presenting vesicle is obtained by the step of recovering a 70,000 x g pellet obtained by differential centrifugation of membrane-containing fractions of cell culture media or lysates of B-lymphocytes containing said MHC Class I and Class II proteins.

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Respectfully submitted,

Date: _____

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